## SEQUENCE LISTING

NS.	· A4/2) information for SEQ id 1	NO: 1:	
	(i) SEQUENCE CHARACTER (A) LENGTH: (B) TYPE: (C) STRANDEDNESS: (D) TOPOLOGY:	2107 Nucleic acid	
	(ii) MOLECULE TYPE:	CDNA	
	(vi) ORIGINAL SOURCE: (A) ORGANISM:	Human	
	(xi) SEQUENCE DESCRIPTI	ON: SEQ ID NO: 1:	
	GGCTCCTTAC CCACCCGGAG ACTTT	TTTT GAAAGGAAAC TAGGGAGGGA GGGAGAGGGA	60
- - -	GAGAGGGAGA AAACGAAGGG GAGCTC	CGTCC ATCCATTGAA GCACAGTTCA CT ATG Met 1	1.15
		GGA AGA CGG TTG GAT TTC GTG CAT CAT Gly Arg Arg Leu Asp Phe Val His His 15	163
	TCG GGG GTG TTT TTC TTG CAA Ser Gly Val Phe Phe Leu Gln 20	ACC TTG CTT TGG ATT TTA TGT GCT ACA Thr Leu Leu Trp Ile Leu Cys Ala Thr 25	211
amongs,	GTC TGC GGA ACG GAG CAG TAT Val Cys Gly Thr Glu Gln Tyr 35 40	TT AAT GTG GAG GTT TGG TTA CAA AAG Phe Asn Val Glu Val Trp Leu Gln Lys 45	259
	TAC GGC TAC CTT CCA CCG ACT Tyr Gly Tyr Leu Pro Pro Thr 50 55	AGC CCC AGA ATG TCA GTC GTG CGC TCT Ser Pro Arg Met Ser Val Val Arg Ser 60 65	307
		CTA GCT GCC ATG CAG CAG TTC TAT GGC Leu Ala Ala Met Gln Gln Phe Tyr Gly 75	355
	ATT AAC ATG ACA GGA AAA GTG Ile Asn Met Thr Gly Lys Val 85	GAC AGA AAC ACA ATT GAC TGG ATG AAG Asp Arg Asn Thr Ile Asp Trp Met Lys 90 95	403
		GAC CAG ACA AGA GGT AGC TCC AAA TTT Asp Gln Thr Arg Gly Ser Ser Lys Phe	451
		GCA TTG ACA GGA CAG AAA TGG CAG CAC Ala Leu Thr Gly Gln Lys Trp Gln His 125	499

						/											
AA									AAC Asn								547
									CGT Arg								595
									GTT Val 170								643
									ATT Ile								691
									GAG Glu								739
Կուս Կոդե Կուն են Կուս մոու Կոյն Կոց									A A A A A A A A A A A A A A A A A A A								787
on Sank Your II									AAT Asn								835
Ŀ	CTT Leu	GTA Val	GCA Ala	GTC Val 245	CAT His	GAA Glu	CTG Leu	GGA Gly	CAT His 250	Alla	CTG Leu	GGA Gly	TTG Leu	GAG Glu 255	CAT His	TCC Ser	883
Hurit State He Same									CCA Pro								931
-									TAC Tyr								979
									AGA Arg								1027
									CCA Pro								1075
									CCC Pro 330								1123
									ACT Thr								1171

ATG Met																1219
	ATG Met															1267
	CCT Pro															1315
	TTT Phe															1363
	GGT Gly															1411
	GGT Gly 435															1459
	TTC Phe															1507
ATG Met	GAC Asp	CCT Pro	GGC Gly	TAT Tyr 470	CCC Pro	AAG Lys	CCA Prio	ATC Ile	ACA Thr 475	GTC Val	TGG Trp	AAA Lys	GGG Gly	ATC Ile 480	CCT Pro	1555
	TCT Ser															1603
	TAC Tyr															1651
	GAA Glu 515															1699
	GGA Gly															1747
	GAC Asp															1795
	GCT Ala															1843

AH

Asp Pro Glu Thr Arg Lys Ala Ile Arg Arg Ala Phe Asp Val Trp Gln 150 Asn Val Thr Pro Leu Thr Phe Glu Glu Val Pro Tyr Ser Glu Leu Glu 165 Asn Gly Lys Arg Asp Val\Asp Ile Pro Ile Ile Phe Ala Ser Gly Phe 185 His Gly Asp Ser Ser Pro Phe Asp Gly Glu Gly Gly Phe Leu Ala His Ala Tyr Phe Pro Gly Pro Gly Ne Gly Asp Thr His Phe Asp Ser Asp Glu Pro Trp Thr Leu Gly Asn His Asp Gly Asn Asp Leu Phe Leu Val Ala Val His Glu Ley Gly His Ala Leu Gly Leu Glu His 245 250 255Ser Asn Asp Pro Thr Ala Ile Met Ala Pro\Phe Tyr Gln Tyr Met Glu 265 Gln Thr Leu Gln Leu Pro Asn Asp Asp Tyr Arg His Gln Arg Tyr Met Ser Pro Asp Lys Ile Pro Pro Pro Thr Arg Pro Leu Pro Thr Val Pro Pro His Arg Ser Ile Pro Pro Ala Asp Pro Arg Lys Asn Asp Arg Pro Lys Pro Pro Arg Pro Pro Thr Gly Arg Pro Ser Tyr Pro\Gly Ala Lys Pro Asn Ile Cys Asp Gly Asn Phe Asn Thr Leu Ala Ile Let Arg Arg 350 Glu Met Phe Val Phe Lys Asp Gln Trp Phe Trp Arg Val Arg Asn Asn Arg Val Met Asp Gly Tyr Pro Met Gln Ile Thr Tyr Phe Trp Arg Gly Leu Pro Pro Ser Ile Asp Ala Val Tyr Glu Asn Ser Asp Gly Asn Phè 395 Val Phe Phe Lys Gly Asn Lys Tyr Trp Val Phe Lys Asp Thr Thr Leu Gln Pro Gly Tyr Pro His Asp Leu Ile Thr Leu Gly Ser Gly Ile Pro 425 Pro His Gly Ile Asp Ser Ala Ile Trp Trp Glu Asp Val Gly Lys Thr 440

A

Tyr Phe Phe Lys Oly Asp Arg Tyr Trp Arg Tyr Ser Glu Glu Met Lys 450 460

Thr Met Asp Pro Gly Tyr Pro Lys Pro Ile Thr Val Trp Lys Gly Ile
455 470 475 480

Pro Glu Ser Pro Gln Gly Ala Phe Val His Lys Glu Asn Gly Phe Thr

Tyr Phe Tyr Lys Glu Gly Val Leu Glu Ile Gln Thr Thr Arg Tyr Ser

Arg Leu Glu Pro Gly His Pro Arg Ser Ile Leu Lys Asp Leu Ser Gly 515

Cys Asp Gly Pro Thr Asp Arg Val Lys Glu Gly His Ser Pro Pro Asp 530

Asp Val Asp Ile Val tle Lys Leu Asp Asn Thr Ala Ser Thr Val Lys 545 555 560

Ala Ile Ala Ile Val Ile Pro Cys Ile Leu Ala Leu Cys Leu Leu Val 565 570 575

Leu Val Tyr Thr Val Phe Gln Phe Lys Arg Lys Gly Thr Pro Arg His 580 590

Ile Leu Tyr Cys Lys Arg Ser Met Gln Glu Trp Val 595 600 604

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH:

20

(B) TYPE:

Nucleic acid

- (C) STRANDEDNESS: Single
- (D) TOPOLOGY:

Linear

(ii) MOLECULE TYPE:

Other nucleic acid Synthetic DNA

(xi) SEQUENCE DESCRIPTION: SEQ TO NO: 3:

SGNVVNGCWG AYATMRTSAT

20

- (2) INFORMATION FOR SEQ ID NO: 4:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH:

(D) TOPOLOGY:

27

(B) TYPE:

Nucleic acid

- (C) STRANDEDNESS: Single
  - Linear
- (ii) MOLECULE TYPE:

Other nucleic acid

Synthetic DNA

Ser Ala 18

(xi)\SEQUENCE DESCRIPTION: SEQ ID NO: 4: 27 YTCRTSNTCR\TCRAARTGRR HRTCYCC (2) INFORMATION FOR SEQ ID NO: 5: SEQUENCE CHARACTERISTICS: (i) (A)\LENGTH: Amino acid (B) TYPE: (C) TOPOLOGY: Linear (ii) MOLECULE TYPE: Peptide (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5: Gln Thr Arg Gly Ser\Ser, Lys Phe His Ile Arg Arg Lys Arg 14 (2) INFORMATION FOR SEQ ID NO: 6: SEQUENCE -CHARACTERISTICS: (A) LENGTH: 14 (B) TYPE: Amino acid (C) TOPOLOGY: Linear (ii) MOLECULE TYPE: Peptide (xi) SEQUENCE DESCRIPTION \ SEQ ID NO: 6: Glu Glu Val Pro Tyr Ser Glu Leu Glu Asn Gly Lys Arg Asp 1 (2) INFORMATION FOR SEQ ID NO: 7: SEQUENCE CHARACTERISTICS: (i) (A) LENGTH: (B) TYPE: Amino acid (C) TOPOLOGY: Linear Peptide (ii) MOLECULE TYPE: (xi) SEQUENCE DESCRIPTION: SEQ ID NO: Pro Thr Ser Pro Arg Met Ser Val Val Arg Ser Ala Glu Thr Met Gln

10

A(2) INFORMATION FOR SEQ ID NO: 8:

- SEQUENCE CHARACTERISTICS:

  (A) LENGTH: 14

  (B) TYPE: Amino according to the control of the contr
- - Amino acid

(ii) MOLECULE TYPE

Peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

Thr Leu Gly Asn Pro Asn His Asp Gly Asn Asp Leu Phe Leu 1 5 10 14

## US 0973400206P1



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